

Electric City

Agriculture & Natural Resources
Academy



Greenhouse Project

Jodi Koterba

Great Falls Public Schools

Greenhouse Structure

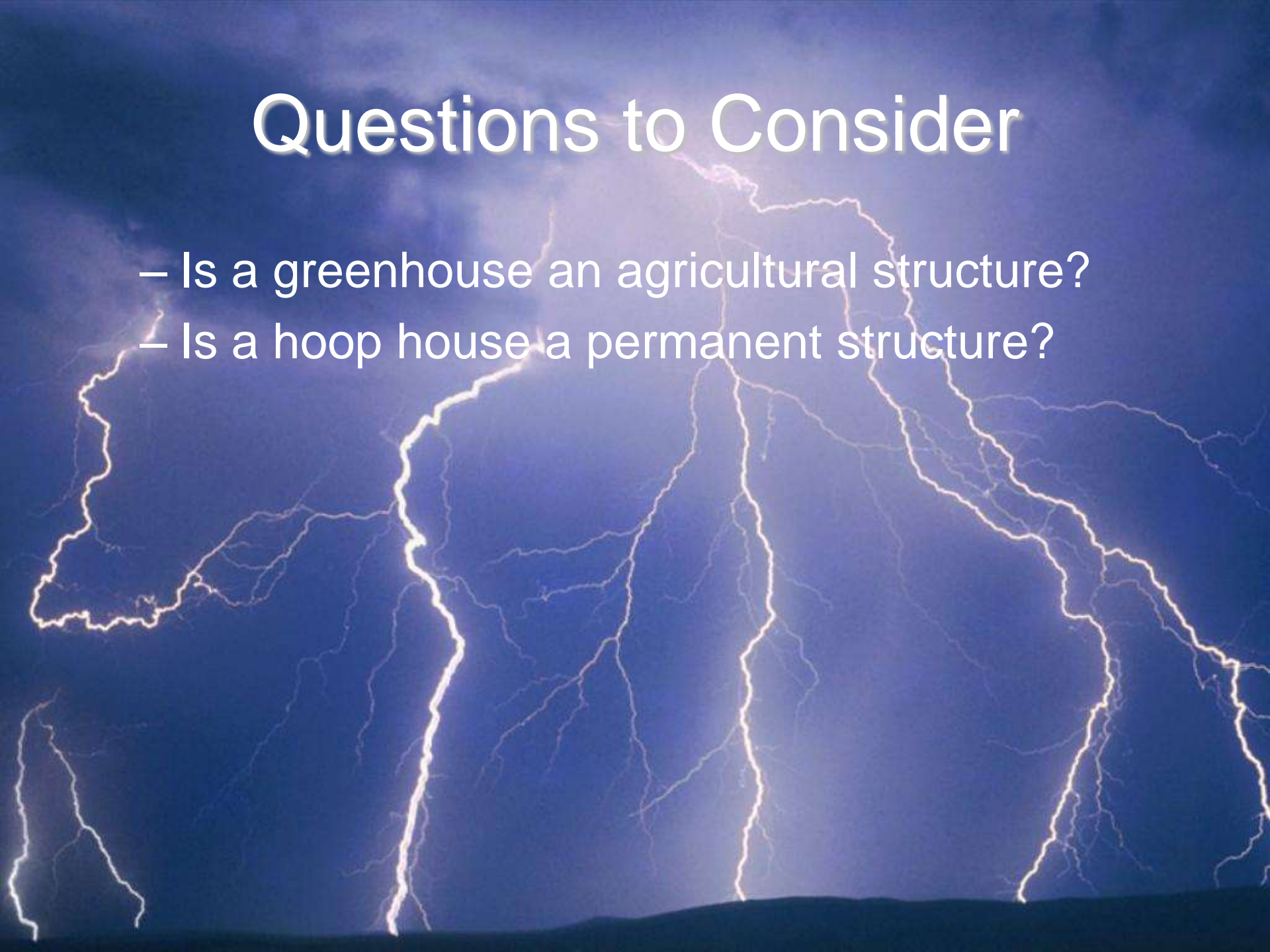
- 30' X 48' Greenhouse
- 5 foot on center semi gable
- 2 3/8" diameter hoops





Questions to Consider

- Is a greenhouse an agricultural structure?
- Is a hoop house a permanent structure?





















Project Goals

- To instruct students in the methods used to prepare and implement a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth. (PS.02 NAFNR standard)
- To instruct students how to Propagate, culture and harvest plants. (PS.03 NAFNR standard)
- To provide a real world connection between the students in school and their community

Challenges We Faced



- Permitting procedure
- Utility Installation
 - Who can do it school district, private contractor, students
- Nature in Great Falls
 - Wind, snow, growing season



Project Collaborations

- Physical Construction
 - CMR Applied Landscape
 - CMR construction tech
- Consultants
 - Jim Bundi
 - Pat and Becky Parker
 - Wade Crouch



Greenhouse Products

- CMR Cafeteria Salad Bar
- Student Grower Families
- Community Food Bank
- Meals on Wheels













Pallet Gardening

- Advantages

- Portable
- Sterilize
- Reconfigurable
- Control medium

- Disadvantages

- Shallow
- Heavy
- Needs Frequent Water

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Thank You

